CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP, Bangalore.

20th February 2015

Dear Sir,

Sub: Improvements to roads at Maruthinagara 1st main 24th cross roads near cable Ramesh House & road beside Bhuvana collage in ward no-01 of Yelahanka Sub Division.
Testing of cubes – Reg.

As requested the 07th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Reports of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

AE,
23/2
AEE

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Improvements to roads at Maruthinagara 1st main 24th cross roads near cable Ramesh House & road beside Bhuvana collage in ward no-40 of Yelahanka Sub Division
Name of Agency	M/s. Sathya Constructions, Bangalore
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work (Drain)	13/02/2015	20/02/2015	7	8.19	354	**15.73**	**15.61**
2					8.18	352	**15.64**	
3					8.17	348	**15.47**	

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS
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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Improvements to roads at Maruthinagara 1st main 24th cross roads near cable Ramesh House & road beside Dhruvana collage in ward no-01 of Yelahanka Sub Division.
Name of Agency	M/s Sathva Constructions, Bangalore
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work (Drain)	11/02/2015	18/02/2015	7	8.18	356	**15.82**	**15.73**
2					8.19	354	**15.73**	
3					8.16	352	**15.64**	

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Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

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T-2654

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP, Bangalore.

21st February 2015

Dear Sir,

Sub: Improvements to roads at Maruthinagara 1st main 24th cross roads near cable Ramesh House & road beside Bhuvana collage in ward no-01 of Yelahanka Sub Division.
Testing of cubes – Reg.

As requested the 07th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

AE1
AKV

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Improvements to roads at Maruthinagara 1st main 24th cross roads near cable Ramesh House & road beside Bhuvana college in ward no-01 of Yelahanka Sub Division
Name of Agency	M/s. Sathya Constructions, Bangalore
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC Work (Covering Slab)	14/02/2015	21/02/2015	7	8.20	358	**15.91**	**15.67**
2					8.10	352	**15.64**	
3					8.15	348	**15.47**	

Note:

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Lab Incharge
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T-2654

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP, Bangalore-64.

30th January 2015

Dear Sir,

Sub: Testing of Solid Block.

As requested, tests on physical properties were carried out for the materials supplied by you, for the work of **'Improvements to roads at Maruthinagara 1st main 24th cross roads near cable Ramesh House & road beside Bhuvana collage in ward no-01 of Yelahanka Sub Division'.**

Please find the enclosed Test Report of the above.

Thanking You,
For Civil Tech Labs

CIVIL TECH LABS SANGALORE

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS
#5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TESTS ON SOLID BLOCKS

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Improvements to roads at Maruthinagara 1st main 24th cross roads near cable Ramesh House & road beside Bhuvana collage in ward no-01 of Yelahanka Sub Division
Sample received on	M/s. Sathya Constructions, Bangalore
Date of Testing	30/01/2015
Technical Referance	IS: 2185(Part-I) 2005 (Reaffirmed 2010)
No. of samples tested	8
Grade	C (4.0)

1. COMPRESSIVE STRENGTH

Sl. No.	Nominal Dimension (cms)	Compressive strength (N/mm²)	Minimum Compressive Strength as per IS: 2185(Part-I) 2005	
			Individual	Avg. of 8 samples
1	40x20x20	4.3	Minimum Compressive Strength of Individual Units	Minimum Average Compressive Strength of Units
2		4.2		
3		4.4	For Grade C (5.0)- 4.0 N/mm² For Grade C (4.0)- 3.2 N/mm²	For Grade C (5.0)- 5.0 N/mm² For Grade C (4.0)- 4.0 N/mm²
4		4.1		
5		4.2		
6		4.3		
7		4.2		
8		4.3		
Average Compressive strength (N/mm²)		**4.3**		

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2. WATER ABSORPTION

Sl. No.	Nominal Dimension (cms)	Water Absorption (% by weight)	Average (% by weight)	Requirements as per IS : 2185(Part-I) 2005
1	40x20x20	7.20	7.18	When three samples are tested the average water absorption shall not be more than 10% by mass
2		7.15		
3		7.18		

3. BLOCK DENSITY

Sl. No.	Nominal Dimension (cms)	Block Density (Kg/cum)	Average (Kg/cum)	Requirements as per IS: 2185(Part-I) 2005
1	40x20x20	1863.5	1864.3	The Solid Concrete blocks used as load bearing units shall have average block density not less than 1800Kg/m^3
2		1864.1		
3		1865.3		

Remarks	Satisfies the Requirements.

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Lab Incharge
Civil Tech Labs

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